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GENCODE VERSION 3.1.9

Run on: March 18, 2004, 06:50:37 ; Search time 45 Seconds
(without alignments)
1824.196 Million cells

perfect score: 1685
Sequence: 1 MRRASRDYTKYLRSSEGG.....LLDDDDATYCAFKVRDID 317

Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters:

Maximum DB seq length: 20

Maximum Match 100%

Database : Published Applications AA:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

doi

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	1685	100.0	317	9	US-09-813-329-7	Sequence 7, Appl
2	1685	100.0	317	9	US-09-871-856-13	Sequence 13, Appl
3	1685	100.0	317	9	US-09-877-650-13	Sequence 13, Appl
4	1685	100.0	317	12	US-10-289-456-79	Sequence 79, Appl
5	1685	100.0	317	12	US-10-202-062-22	Sequence 22, Appl
6	1685	100.0	317	14	US-10-18-547-22	Sequence 22, Appl
7	1685	100.0	317	14	US-10-405-878-13	Sequence 13, Appl
8	1685	100.0	317	14	US-10-167-182-11	Sequence 11, Appl
9	1685	100.0	317	14	US-10-310-793-28	Sequence 28, Appl
10	1685	100.0	317	15	US-10-460-623-11	Sequence 11, Appl
11	1422	84.4	270	12	US-10-289-456-80	Sequence 80, Appl
12	1417.5	84.1	316	10	US-09-079-569-7	Sequence 7, Appl
13	1417.5	84.1	316	10	US-09-873-829-4	Sequence 4, Appl
14	1417.5	84.1	316	13	US-10-107-910-4	Sequence 4, Appl
15	1417.5	84.1	316	14	US-10-105-057-2	Sequence 2, Appl

ALIGNMENTS

US-09-813-329-7 ; Sequence 7, Application US/09813329 ; Patent No. US20020012968A1 ; GENERAL INFORMATION:

```

/ APPLICANT: Bristol-Myers Squibb Company
/ TITLE OF INVENTION: No. US20020012968A1el Drosophila Tumor Necrosis Factor Class
/ TITLE OF INVENTION: Variants Thereof
/ FILE REFERENCE: D0016.np
/ CURRENT APPLICATION NUMBER: US/09/813,329
/ CURRENT FILING DATE: 2001-03-20
/ PRIOR APPLICATION NUMBER: 60/190,816
/ PRIOR FILING DATE: 2000-03-21
/ NUMBER OF SEQ ID NOS: 65
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 7
/ LENGTH: 317
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
/ OS-09-813-329-7

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Query Match 100.0%; Score 100; DB 3; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.3e-155;

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Matches 317; Conservative 0; Mismatches 0;
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[illegible]

1 MRRASRDYTKYLRGSEEMGGPGAPHEGPLEHAPPPAPHPQPPAASRSMFVALLGLGLQV 60

1 MRRASRDYTKYLRGSEEMGGPGAPHEGFLHAPPPPAPHQPPAASRSMFVALLGLGLGQV 60

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61 VCSVALFFYFRAQMDPNRISEGDGTHCIYRILRLHENADFQDTTLESQDTKLIPDSCRRIK 120

61 WCGVAT BEVEPACOMDNPB I 68DCTHCTYB I I BI HBNANDEONTT ESONTYI PRSCBPIK 120

61 VCSVALFFYFRAQMDPNRISEGDGTHCIYRILRLHENADFQDTTLESQDTKLIPDSCRRK 120

121 0AEOGAVOKELOHIVGSOHTRA EKAMVDGSWI.DIAKFSKI.EAQPFAHLTINATDIPSGSH 180

121 YAFYQAVQKETHIVGSGHIRGENAMVDGSGWDDAKRSNTEAQFFAHLIINADIFSGSH 180

121 QAFQAVOKELOHIVGSOHIRAEKAMVDGSWDLAKRSKLEAQFFAHLTINATDIPSGSH 180

THE UNIVERSITY OF CHICAGO

181 KVSLSWYHDRGWAKISNMTFSNGKLI VNQDGFYLYANICFRHHETSGDLATEYLQLMV 240

QY 61 VCSVALFFYFRAQMDPNRISDGTGTHCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120
 Db 61 VCSVALFFYFRAQMDPNRISDGTGTHCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120
 QY 121 QAFQGVQKELQHVQSHIRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180
 Db 121 QAFQGVQKELQHVQSHIRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180
 QY 181 KVSLSWYHVRGHWAKISNMTFNSGKLIYNQDGFYLYANICFRHETSGLATEYLQLMV 240
 Db 181 KVSLSWYHVRGHWAKISNMTFNSGKLIYNQDGFYLYANICFRHETSGLATEYLQLMV 240
 QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGFFKLRSGEEISIEVSNPSLLD 300
 Db 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGFFKLRSGEEISIEVSNPSLLD 300
 QY 301 PQDATYFGAFKVRDID 317
 Db 301 PQDATYFGAFKVRDID 317

RESULT 4
 US-10-289-456-79
 ; Sequence 79, Application US/10289456
 ; Publication No. US20040033211A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bachmann, Martin
 ; APPLICANT: Maurer, Patrick
 ; APPLICANT: Spohn, Gunther
 ; TITLE OF INVENTION: Antigen Arrays for Treatment of Bone Disease
 ; FILE REFERENCE: 1700.0330001
 ; CURRENT APPLICATION NUMBER: US/10/289,456
 ; CURRENT FILING DATE: 2002-11-07
 ; PRIOR APPLICATION NUMBER: PCT/IB02/00166
 ; PRIOR FILING DATE: 2002-01-21
 ; PRIOR APPLICATION NUMBER: US 10/050,902
 ; PRIOR FILING DATE: 2002-01-18
 ; PRIOR APPLICATION NUMBER: US 60/396,635
 ; PRIOR FILING DATE: 2002-07-19
 ; PRIOR APPLICATION NUMBER: US 60/331,045
 ; PRIOR FILING DATE: 2001-11-07
 ; NUMBER OF SEQ ID NOS: 170
 ; SOFTWARE: Patent in version 3.2
 ; SEQ ID NO 79
 ; LENGTH: 317
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-289-456-79

Query Match 100.0%; Score 1685; DB 12; Length 317;
 Best Local Similarity 100.0%; Pred. No. 1.3e-155;
 Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRRASRDYTKYLRGSEMGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGLQV 60
 Db 1 MRRASRDYTKYLRGSEMGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGLQV 60
 QY 61 VCSVALFFYFRAQMDPNRISDGTGTHCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120
 Db 61 VCSVALFFYFRAQMDPNRISDGTGTHCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120
 QY 121 QAFQGVQKELQHVQSHIRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180
 Db 121 QAFQGVQKELQHVQSHIRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180
 QY 181 KVSLSWYHVRGHWAKISNMTFNSGKLIYNQDGFYLYANICFRHETSGLATEYLQLMV 240
 Db 181 KVSLSWYHVRGHWAKISNMTFNSGKLIYNQDGFYLYANICFRHETSGLATEYLQLMV 240
 QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGFFKLRSGEEISIEVSNPSLLD 300
 Db 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGFFKLRSGEEISIEVSNPSLLD 300

QY 301 PQDATYFGAFKVRDID 317
 Db 301 PQDATYFGAFKVRDID 317
 RESULT 5
 US-10-202-062-22
 ; Sequence 22, Application US/10202062
 ; Publication No. US20040038349A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Human Genome Sciences, Inc.,
 ; TITLE OF INVENTION: Heteromultimeric TNF Ligand Family members
 ; FILE REFERENCE: PF559
 ; CURRENT APPLICATION NUMBER: US/10/202,062
 ; CURRENT FILING DATE: 2002-07-25
 ; PRIOR APPLICATION NUMBER: 60/307,838
 ; PRIOR FILING DATE: 2001-07-27
 ; NUMBER OF SEQ ID NOS: 42
 ; SOFTWARE: Patent in version 3.0
 ; SEQ ID NO 22
 ; LENGTH: 317
 ; TYPE: PRT
 ; ORGANISM: human
 US-10-202-062-22

Query Match 100.0%; Score 1685; DB 12; Length 317;
 Best Local Similarity 100.0%; Pred. No. 1.3e-155;
 Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRRASRDYTKYLRGSEMGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGLQV 60
 Db 1 MRRASRDYTKYLRGSEMGPGAPHEGPHLHAPPAPHPAPPAASRMFVALLGLGLQV 60
 QY 61 VCSVALFFYFRAQMDPNRISDGTGTHCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120
 Db 61 VCSVALFFYFRAQMDPNRISDGTGTHCIYRILRLHENADFDQTTLESQDTKLIIPDSCRRIK 120
 QY 121 QAFQGVQKELQHVQSHIRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180
 Db 121 QAFQGVQKELQHVQSHIRAEKAMVDGSLDLAKRSKLEAQPFPAHLTINATDIPSGSH 180
 QY 181 KVSLSWYHVRGHWAKISNMTFNSGKLIYNQDGFYLYANICFRHETSGLATEYLQLMV 240
 Db 181 KVSLSWYHVRGHWAKISNMTFNSGKLIYNQDGFYLYANICFRHETSGLATEYLQLMV 240
 QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGFFKLRSGEEISIEVSNPSLLD 300
 Db 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGFFKLRSGEEISIEVSNPSLLD 300
 QY 301 PQDATYFGAFKVRDID 317
 Db 301 PQDATYFGAFKVRDID 317

RESULT 6
 US-10-218-547-22
 ; Sequence 22, Application US/10218547
 ; Publication No. US20030100074A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Human Genome Sciences, Inc.,
 ; TITLE OF INVENTION: Methods And Compositions For Treating Metabolic Bone Diseases
 ; FILE REFERENCE: PF561
 ; CURRENT APPLICATION NUMBER: US/10/218,547
 ; CURRENT FILING DATE: 2002-08-15
 ; PRIOR APPLICATION NUMBER: 60/312,542
 ; PRIOR FILING DATE: 2001-08-16
 ; PRIOR APPLICATION NUMBER: 60/330,761
 ; PRIOR FILING DATE: 2001-10-30
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: Patent in version 3.1
 ; SEQ ID NO 22

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; LENGTH: 317
; TYPE: PRT
; ORGANISM: human
US-10-218-547-22

Query Match      100.0%; Score 1685; DB 14; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.3e-155;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPHPAPPAASRSMFVALLGLGQV 60
Db 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPHPAPPAASRSMFVALLGLGQV 60
Qy 61 VCSVALFFYFRAQMDPNRISDGTCHYRILRLHENADFDQTTLSDTKLIPDSCRRIK 120
Db 61 VCSVALFFYFRAQMDPNRISDGTCHYRILRLHENADFDQTTLSDTKLIPDSCRRIK 120
Qy 121 QAFQGAQVQKELQHVGSQHRAEKAMVDGSLDLAKSKLEAQPFPAHLTINATDIPSGSH 180
Db 121 QAFQGAQVQKELQHVGSQHRAEKAMVDGSLDLAKSKLEAQPFPAHLTINATDIPSGSH 180
Qy 181 KVSLSWYHDSGHWAKISNMTFSNGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240
Db 181 KVSLSWYHDSGHWAKISNMTFSNGKLIYNQDGFYLYANICFRHETSGDLATEYLQLMV 240
Qy 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYINVGFFPKLSGEEISIEVSNPSLLD 300
Db 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYINVGFFPKLSGEEISIEVSNPSLLD 300

RESULT 7
US-10-405-878-13
; Sequence 13, Application US/10405878
; Publication No. US20030175840A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Dirk M.
; Galibbert, Laurent
; Maraskovsky, Eugene
; TITLE OF INVENTION: Receptor Activator of NF-kappaB
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/405,878
; FILING DATE: 01-Apr-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/996,139
; FILING DATE: 22 DECEMBER 1997
; APPLICATION NUMBER: USSN 60/064,671
; FILING DATE: 14 OCTOBER 1997
; APPLICATION NUMBER: USSN 08/813,509
; FILING DATE: 07 MARCH 1997
; APPLICATION NUMBER: USSN 08/772,330
; FILING DATE: 23 DECEMBER 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2851-A
;

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 317 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-405-878-13

Query Match      100.0%; Score 1685; DB 14; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.3e-155;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPHPAPPAASRSMFVALLGLGQV 60
Qy 61 VCSVALFFYFRAQMDPNRISDGTCHYRILRLHENADFDQTTLSDTKLIPDSCRRIK 120
Db 61 VCSVALFFYFRAQMDPNRISDGTCHYRILRLHENADFDQTTLSDTKLIPDSCRRIK 120
Qy 121 QAFQGAQVQKELQHVGSQHRAEKAMVDGSLDLAKSKLEAQPFPAHLTINATDIPSGSH 180
Db 121 QAFQGAQVQKELQHVGSQHRAEKAMVDGSLDLAKSKLEAQPFPAHLTINATDIPSGSH 180
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Db 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYINVGFFPKLSGEEISIEVSNPSLLD 300

RESULT 8
US-10-167-182-11
; Sequence 11, Application US/10167182
; Publication No. US20030176647A1
; GENERAL INFORMATION:
; APPLICANT: Yamaguchi, Kyoji
; APPLICANT: Yasuda, Hisataka
; APPLICANT: Nakagawa, No. US20030176647A1uaki
; APPLICANT: Shima, No. US20030176647A1uuyuki
; APPLICANT: Kinoshita, Masahiko
; APPLICANT: Tsuda, Eisuke
; APPLICANT: Goto, Masaaki
; APPLICANT: Yano, Kazuki
; APPLICANT: Tomoyasu, Akihiro
; APPLICANT: Kobayashi, Fumie
; APPLICANT: Washida, Naohiro
; APPLICANT: Takahashi, Ken
; APPLICANT: Morinaga, Tomonori
; APPLICANT: Higashio, Kanji
; TITLE OF INVENTION: Antibodies to OCIF-binding Molecules
; FILE REFERENCE: FUN-070DV
; CURRENT APPLICATION NUMBER: US/10/167,182
; CURRENT FILING DATE: 2002-06-11
; PRIOR APPLICATION NUMBER: US 09/202,455
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: JP 97808/1997
; PRIOR FILING DATE: 1997-04-15
; PRIOR APPLICATION NUMBER: JP 151434/1997
; PRIOR FILING DATE: 1997-06-09
; PRIOR APPLICATION NUMBER: JP 217897/1997
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: JP 224803/1997

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; PRIOR FILING DATE: 1997-08-21
; PRIOR APPLICATION NUMBER: JP 332241/1997
; PRIOR FILING DATE: 1997-12-02
; PRIOR APPLICATION NUMBER: WO PCT/JP98/01728
; PRIOR FILING DATE: 1998-04-15
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 317
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-167-182-11

Query Match 100.0%; Score 1685; DB 14; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.3e-155;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPPHQPPAASRMFVALLGLGQV 60
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DB 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADFQDTTLESQDTKLIPDSRRIK 120
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DB 121 QAFQAVQKELQHVSGHIRAEKAMVDGSLDLAKRSKLEAOPFAHLTNATDIPSGSH 180
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DB 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEPHFYINVGFFKLRSGEEISIEVSNPSLLD 300
QY 301 PQDATYFGAFKVRDID 317
DB 301 PQDATYFGAFKVRDID 317

RESULT 9
US-10-310-793-28
; Sequence 28, Application US/10310793
; Publication No. US20030198640A1
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A
; APPLICANT: Zhang, Jun
; APPLICANT: Wei, Ping
; TITLE OF INVENTION: Methods And Compositions For Treating Inflammatory Bowel Diseases
; FILE REFERENCE: PF573
; CURRENT APPLICATION NUMBER: US/10/310,793
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: 60/336,695
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 10/226,294
; PRIOR FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: 60/314,381
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 09/899,059
; PRIOR FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 60/278,449
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/216,879
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 09/559,290
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/180,908
; PRIOR FILING DATE: 2000-02-08

; PRIOR APPLICATION NUMBER: 60/134,067
; PRIOR FILING DATE: 1999-05-13
; PRIOR APPLICATION NUMBER: 60/132,227
; PRIOR FILING DATE: 1998-05-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 317
; TYPE: PRT
; ORGANISM: human
US-10-310-793-28

Query Match 100.0%; Score 1685; DB 14; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.3e-155;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPPHQPPAASRMFVALLGLGQV 60
DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPHLHAPPAPPHQPPAASRMFVALLGLGQV 60
QY 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADFQDTTLESQDTKLIPDSRRIK 120
DB 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADFQDTTLESQDTKLIPDSRRIK 120
QY 121 QAFQAVQKELQHVSGHIRAEKAMVDGSLDLAKRSKLEAOPFAHLTNATDIPSGSH 180
DB 121 QAFQAVQKELQHVSGHIRAEKAMVDGSLDLAKRSKLEAOPFAHLTNATDIPSGSH 180
QY 181 KVSLSWYHDSRGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240
DB 181 KVSLSWYHDSRGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240
QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEPHFYINVGFFKLRSGEEISIEVSNPSLLD 300
DB 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSEPHFYINVGFFKLRSGEEISIEVSNPSLLD 300
QY 301 PQDATYFGAFKVRDID 317
DB 301 PQDATYFGAFKVRDID 317

RESULT 10
US-10-460-623-11
; Sequence 11, Application US/10460623
; Publication No. US20030208045A1
; GENERAL INFORMATION:
; APPLICANT: Yamaguchi, Kyoji
; APPLICANT: Yasuda, Hisataka
; APPLICANT: Nakagawa, No. US20030208045A1uaki
; APPLICANT: Shima, No. US20030208045A1uyuki
; APPLICANT: Kinoshita, Masahiko
; APPLICANT: Tsuda, Eisuke
; APPLICANT: Goto, Masaki
; APPLICANT: Yano, Kazuki
; APPLICANT: Tomoyasu, Akihiro
; APPLICANT: Kobayashi, Fumie
; APPLICANT: Washida, Naohiro
; APPLICANT: Takahashi, Ken
; APPLICANT: Morinaga, Tomonori
; APPLICANT: Higashio, Kanji
; TITLE OF INVENTION: No. US20030208045A1e1 Protein and Method for Producing the Pro
; FILE REFERENCE: FUN-070
; CURRENT APPLICATION NUMBER: US/10/460,623
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: JP 97808/1997
; PRIOR FILING DATE: 1997-04-15
; PRIOR APPLICATION NUMBER: JP 151434/1997
; PRIOR FILING DATE: 1997-06-09
; PRIOR APPLICATION NUMBER: JP 217897/1997
; PRIOR FILING DATE: 1997-08-12
; PRIOR APPLICATION NUMBER: JP 224803/1997
; PRIOR FILING DATE: 1997-08-21

; PRIOR APPLICATION NUMBER: JP 332241/1997
 ; PRIOR FILING DATE: 1997-12-02
 ; PRIOR APPLICATION NUMBER: WO PCT/JP98/01728
 ; PRIOR FILING DATE: 1998-04-15
 ; NUMBER OF SEQ ID NOS: 19
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 11
 ; LENGTH: 317
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-460-623-11

Query Match 100.0%; Score 1685; DB 15; Length 317;
 Best Local Similarity 100.0%; Pred. No. 1.3e-155;
 Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGLHAPPPHAPQPPAASRMFVALIGLGLGV 60
 DB 1 MRRASRDYTKYLRGSEEMGGPGAPHEGLHAPPPHAPQPPAASRMFVALIGLGLGV 60
 QY 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPQDTTLESQDTKLIIPDCRRIK 120
 DB 61 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPQDTTLESQDTKLIIPDCRRIK 120
 QY 121 QAQGAQVQKELQHVSGHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGSH 180
 DB 121 QAQGAQVQKELQHVSGHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGSH 180
 QY 181 KVSLSWYHRRGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240
 DB 181 KVSLSWYHRRGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHETSGDLATEYLQLMV 240
 QY 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYSINVGPFKLRSGEISIEVSNPSLLD 300
 DB 241 YVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYSINVGPFKLRSGEISIEVSNPSLLD 300
 QY 301 PDQDATYFGAFKVRDID 317
 DB 301 PDQDATYFGAFKVRDID 317

RESULT 11

US-10-289-456-80
 ; Sequence 80, Application US/10289456
 ; Publication No. US20040033211A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bachmann, Martin
 ; APPLICANT: Maurer, Patrick
 ; APPLICANT: Spohn, Gunther
 ; TITLE OF INVENTION: Antigen Arrays for Treatment of Bone Disease
 ; FILE REFERENCE: 1700.0330001
 ; CURRENT APPLICATION NUMBER: US/10/289,456
 ; CURRENT FILING DATE: 2002-11-07
 ; PRIOR APPLICATION NUMBER: PCT/IB02/00166
 ; PRIOR FILING DATE: 2002-01-21
 ; PRIOR APPLICATION NUMBER: US 10/050,902
 ; PRIOR FILING DATE: 2002-01-18
 ; PRIOR APPLICATION NUMBER: US 60/396,635
 ; PRIOR FILING DATE: 2002-07-19
 ; PRIOR APPLICATION NUMBER: US 60/331,045
 ; PRIOR FILING DATE: 2001-11-07
 ; NUMBER OF SEQ ID NOS: 170
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 80
 ; LENGTH: 270
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-289-456-80

Query Match 84.4%; Score 1422; DB 12; Length 270;
 Best Local Similarity 100.0%; Pred. No. 4.4e-130;
 Matches 270; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 MFVALLGLGLGVVCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPQDTTLESQ 107
 DB 1 MFVALLGLGLGVVCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPQDTTLESQ 60
 QY 108 DTKLIPDCRRIKQAQGAQVQKELQHVSGHRAEKAMVDGSLDLAKRSKLEAOPFAH 167
 DB 61 DTKLIPDCRRIKQAQGAQVQKELQHVSGHRAEKAMVDGSLDLAKRSKLEAOPFAH 120
 QY 168 LTINATDIPSGSHKVSLSWYHRRGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHET 227
 DB 121 LTINATDIPSGSHKVSLSWYHRRGWAKISNMTFSNGKLIYNQDGFYLYANICFRHHET 180
 QY 228 SGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYSINVGPFKLRSGE 287
 DB 181 SGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGNSSEPHFYSINVGPFKLRSGE 240
 QY 288 EISIEVSNPSLLDPPQDATYFGAFKVRDID 317
 DB 241 EISIEVSNPSLLDPPQDATYFGAFKVRDID 270

RESULT 12

US-09-079-569-7
 ; Sequence 7, Application US/09079569
 ; Publication No. US20030104485A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Boyle, William J.
 ; TITLE OF INVENTION: OSTEOPROTEGERIN BINDING PROTEINS
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Amgen Inc.
 ; STREET: 1840 Dehavilland Drive
 ; CITY: Thousand Oaks
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 91230-1789
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/079,569
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/842,842
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Winter, Robert B.
 ; REFERENCE/DOCKET NUMBER: A-451
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 316 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-09-079-569-7

Query Match 84.1%; Score 1417.5; DB 10; Length 316;
 Best Local Similarity 84.3%; Pred. No. 1.5e-129;
 Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;
 QY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGLH-APPPHAPQPPAASRMFVALIGLGLQ 59
 DB 1 MRRASRDYTKYLRGSEEMGGPGVPHEGLHAPAPAPAPAPAPAPAPAPAPAPAPAPAPAP 60
 QY 60 VCSVALFFYFRAQMDPNRISDGTCHCIYRILRLHENADPQDTTLESQDTKLIIPDCRR 119
 DB 61 VCSIALFLYFRAQMDPNRISDGTCHCIYRILRLHENAGDSTLESSEDT--LPDSCRRM 118
 QY 120 KQAFQGAQVQKELQHVSGHRAEKAMVDGSLDLAKRSKLEAOPFAHLTINATDIPSGS 179

Db 119 KQAFQAVQKELQHVGPQRFSGAPAMMEGSLDVAQRKPEAQPPFAHLLTINAASIPSGS 178
 QY 180 HKVSLSSWYHGRGAKISNMFTSGNKLIVNQDGFYLYANICFRHHETSGDLATEYLQLM 239
 Db 179 HKVTLSSWYHGRGAKISNMFTSLNGKLRVNDGFYLYANICFRHHETSGSVPTDYQLM 238
 QY 240 VYTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSINVGGFFKLRSGEISIEVSNPSLL 299
 Db 239 VYVVKTSIKIPSSHNLKMGSTKQWGSNSEFHFYSINVGGFFKLRAGEISIQVSNPSLL 298
 QY 300 DPQDATYFGAFKVRDID 317
 Db 299 DPQDATYFGAFKVRDID 316

RESULT 13
 US-09-873-829-4
 ; Sequence 4, Application US/09873829
 ; Publication No. US20030185820A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Choi, Yongwon
 ; Wong, Brian
 ; Josien, Regis
 ; Steinman, Ralph
 ; TITLE OF INVENTION: A PROTEIN BELONGING TO THE TNF SUPERFAMILY
 ; INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING SAM
 ; METHODS OF USE THEREOF
 ; NUMBER OF SEQUENCES: 18
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Klauber & Jackson
 ; STREET: 411 Hackensack Avenue, 4th Floor
 ; CITY: Hackensack
 ; STATE: New Jersey
 ; COUNTRY: USA
 ; ZIP: 07601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION NUMBER: US/09/873,829
 ; FILING DATE: 04-Jun-2001
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 09/210,115
 ; FILING DATE: <Unknown>
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jackson Esq., David A.
 ; REGISTRATION NUMBER: 26,742
 ; REFERENCE/DOCKET NUMBER: 600-1-200 CIP N
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201-487-5800
 ; TELEFAX: 201-343-1684
 ; TELEX: 133521
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 316 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-873-829-4
 Query Match 84.1%; Score 1417.5; DB 10; Length 316;
 Best Local Similarity 84.3%; Pred. No. 1.5e-129;
 Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;
 QY 1 MRRASRDYKYLRSSEMGSGGPGAPHEGLH-APPPAPHPAPPAASRSMFVALLGLGLGQ 59
 Db 1 MRRASRDYKYLRSSEMGSGGPGVPEGLHAPAPAPPPAPPAASRSMFVALLGLGLGQ 60
 QY 60 VVCSVALFFYFRAQMDPNRISEDTGHCIVRLRLHENADFDQTTLSESQDKLIPDSERRI 119

Db 61 VVCSIALFLYFRAQMDPNRISEDTGHCIVRLRLHENAGLDSTLESDT--LPDSRRM 118
 QY 120 KQAFQAVQKELQHVGSQHIRAEKAMVDGSLDLAKESKLEAQPPFAHLLTINATDIPSGS 179
 Db 119 KQAFQAVQKELQHVGPQRFSGAPAMMEGSLDVAQRKPEAQPPFAHLLTINAASIPSGS 178
 QY 180 HKVSLSSWYHGRGAKISNMFTSGNKLIVNQDGFYLYANICFRHHETSGDLATEYLQLM 239
 Db 179 HKVTLSSWYHGRGAKISNMFTSLNGKLRVNDGFYLYANICFRHHETSGSVPTDYQLM 238
 QY 240 VYTKTSIKIPSSHTLMKGGSTKYWGSNSEFHFYSINVGGFFKLRSGEISIEVSNPSLL 299
 Db 239 VYVVKTSIKIPSSHNLKMGSTKQWGSNSEFHFYSINVGGFFKLRAGEISIQVSNPSLL 298
 QY 300 DPQDATYFGAFKVRDID 317
 Db 299 DPQDATYFGAFKVRDID 316

RESULT 14
 US-10-017-910-4
 ; Sequence 4, Application US/10017910
 ; Publication No. US20020159970A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Choi, Yongwon
 ; Wong, Brian
 ; Josien, Regis
 ; Steinman, Ralph
 ; TITLE OF INVENTION: A PROTEIN BELONGING TO THE TNF SUPERFAMILY
 ; INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING
 ; METHODS OF USE THEREOF
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Klauber & Jackson
 ; STREET: 411 Hackensack Avenue, 4th Floor
 ; CITY: Hackensack
 ; STATE: New Jersey
 ; COUNTRY: USA
 ; ZIP: 07601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/017,910
 ; FILING DATE: 14-Dec-2001
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 09/447,035
 ; FILING DATE: 1999-11-22
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jackson Esq., David A.
 ; REGISTRATION NUMBER: 26,742
 ; REFERENCE/DOCKET NUMBER: 600-1-200
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201-487-5800
 ; TELEFAX: 201-343-1684
 ; TELEX: 133521
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 316 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-017-910-4
 Query Match 84.1%; Score 1417.5; DB 13; Length 316;
 Best Local Similarity 84.3%; Pred. No. 1.5e-129;
 Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;

Search completed: March 18, 2004, 06:59:09
Job time : 46 secs

QY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPLH-APPPAPHPQPPAASRMFVALLGLGLGQ 59
Db |||||
1 MRRASRDYTKYLRGSEEMGGPGAPHEGPLH-APPPAPHPQPPAASRMFVALLGLGLGQ 60
QY 60 VVCSVALFFYFRAQMDPNRISDGTCHCYRILRLHENADFDOTTLSEODTKLIPDSCRRI 119
Db |||||
61 VVCSIALFLYFRAQMDPNRISDGTCHCYRILRLHENAGLDSTLESDT--LPDSCRRI 118
QY 120 KOAFQGVQKELQHVQSGHRAEKAMVDGWSWLDLAKRSKLEAQPFAHLTINATDIPSGS 179
Db |||||
119 KOAFQGVQKELQHVQSGHRAEKAMVDGWSWLDLAKRSKLEAQPFAHLTINATDIPSGS 178
QY 180 HKVSLSSWYHHRGWAKISNMFTFSGKLVNODGFYLYANICFRHHETSGDLATEYLQLM 239
Db |||||
179 HKVSLSSWYHHRGWAKISNMFTFSGKLVNODGFYLYANICFRHHETSGDLATEYLQLM 238
QY 240 VYVTKTSIKIPSSHTLMKGGSTKYWNSGSEFHFYSINVGGFFKLRSAGEEISIEVSNPSLL 299
Db |||||
239 VYVTKTSIKIPSSHTLMKGGSTKYWNSGSEFHFYSINVGGFFKLRSAGEEISIEVSNPSLL 298
QY 300 DPQDATYFGAFKVRDID 317
Db |||||
299 DPQDATYFGAFKVRDID 316

RESULT 15
US-10-105-057-2
; Sequence 2, Application US/10105057
; Publication No. US20030013651A1
; GENERAL INFORMATION:
; APPLICANT: Barnes-Jewish Hospital, d/b/a The Jewish Hospital of St. Louis
; TITLE OF INVENTION: STIMULATION OF OSTEOGENESIS USING RANK LIGAND FUSION PROTEINS
; FILE REFERENCE: BJCH 10054.1
; CURRENT APPLICATION NUMBER: US/10/105.057
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 60/277,855
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 2
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-105-057-2

Query Match 84.1%; Score 1417.5; DB 14; Length 316;
Best Local Similarity 84.3%; Pred. No. 1.5e-129;
Matches 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;

QY 1 MRRASRDYTKYLRGSEEMGGPGAPHEGPLH-APPPAPHPQPPAASRMFVALLGLGLGQ 59
Db |||||
1 MRRASRDYTKYLRGSEEMGGPGAPHEGPLH-APPPAPHPQPPAASRMFVALLGLGLGQ 60
QY 60 VVCSVALFFYFRAQMDPNRISDGTCHCYRILRLHENADFDOTTLSEODTKLIPDSCRRI 119
Db |||||
61 VVCSIALFLYFRAQMDPNRISDGTCHCYRILRLHENAGLDSTLESDT--LPDSCRRI 118
QY 120 KOAFQGVQKELQHVQSGHRAEKAMVDGWSWLDLAKRSKLEAQPFAHLTINATDIPSGS 179
Db |||||
119 KOAFQGVQKELQHVQSGHRAEKAMVDGWSWLDLAKRSKLEAQPFAHLTINATDIPSGS 178
QY 180 HKVSLSSWYHHRGWAKISNMFTFSGKLVNODGFYLYANICFRHHETSGDLATEYLQLM 239
Db |||||
179 HKVSLSSWYHHRGWAKISNMFTFSGKLVNODGFYLYANICFRHHETSGDLATEYLQLM 238
QY 240 VYVTKTSIKIPSSHTLMKGGSTKYWNSGSEFHFYSINVGGFFKLRSAGEEISIEVSNPSLL 299
Db |||||
239 VYVTKTSIKIPSSHTLMKGGSTKYWNSGSEFHFYSINVGGFFKLRSAGEEISIEVSNPSLL 298
QY 300 DPQDATYFGAFKVRDID 317
Db |||||
299 DPQDATYFGAFKVRDID 316